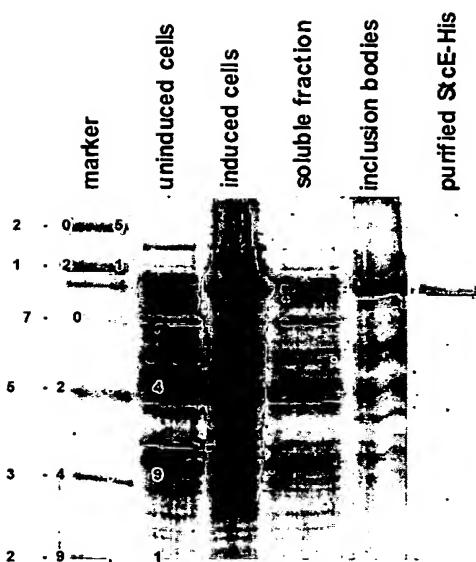


**Lysates of *E. coli* strains containing pO157 induce the aggregation of Jurkat cells, while non-pO157-containing *E. coli* lysates do not aggregate the same cells.**

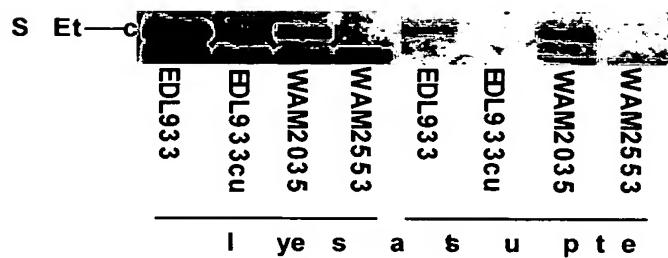
**FIG. 1**



Purification of StcE-His from WAM2572

FIG. 2

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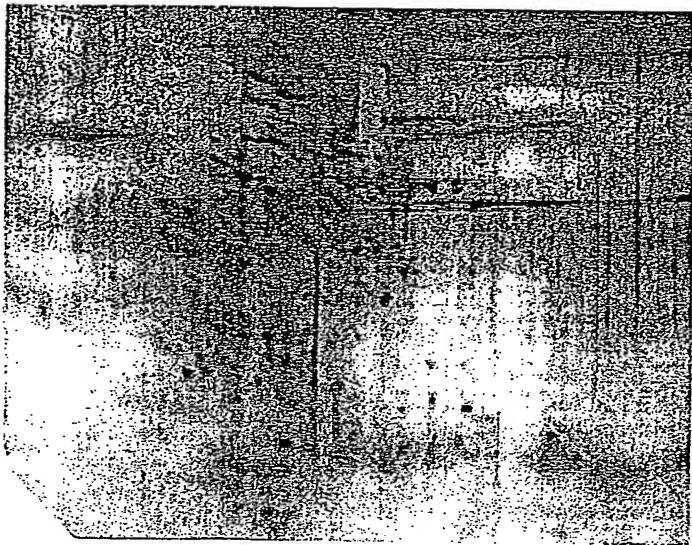


StcE is produced by strains of *E. coli* that carry pO157 but not in strains that lack pO157 or have a transposon insertion in *stcE*.

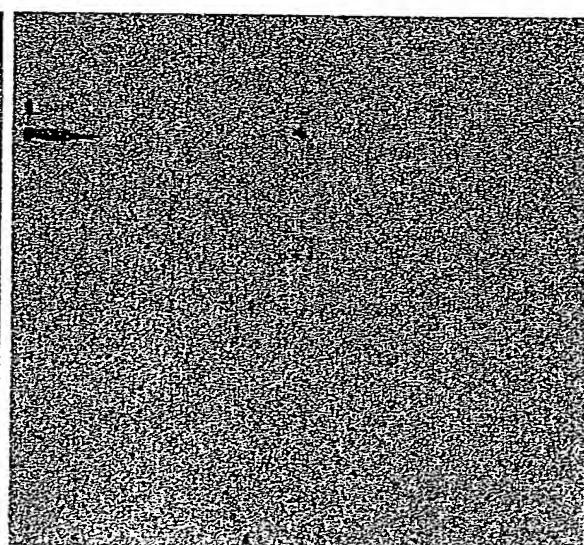
FIG. 3

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**A)**



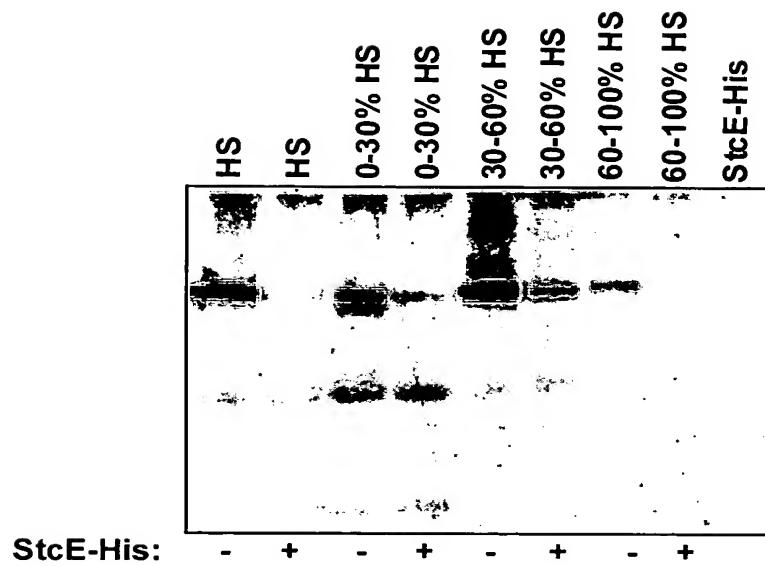
**B)**



StcE - His interacts with a human serum protein(s) of approximately 105 kDa.

FIG. 4

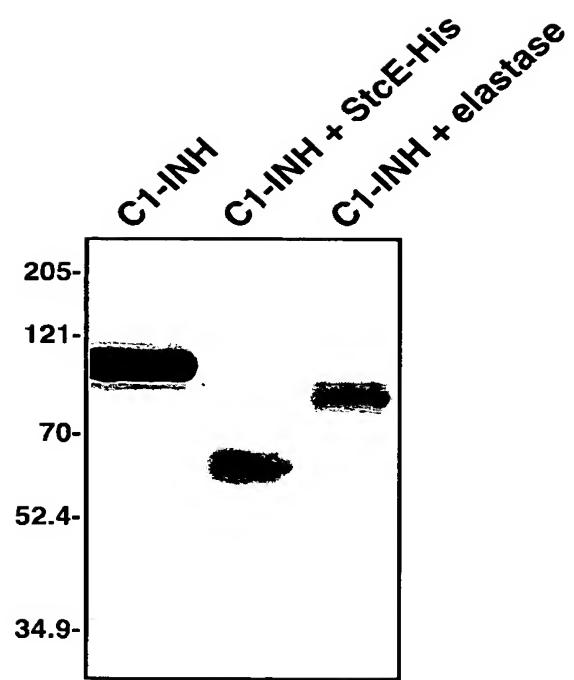
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**Figure 5. StcE-His cleaves C1 inhibitor in human serum.**

**FIG. 5**

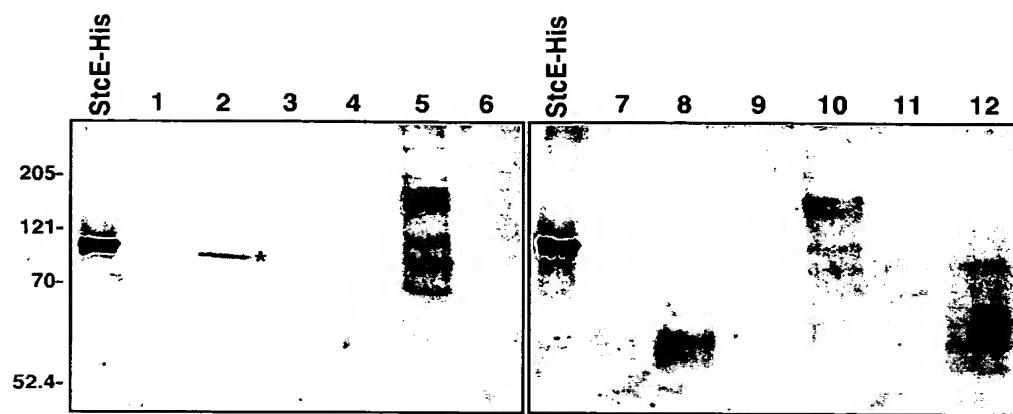
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**Differential digestion patterns of C1-INH by StcE-His and *P. aeruginosa* elastase.**

**FIG. 6**

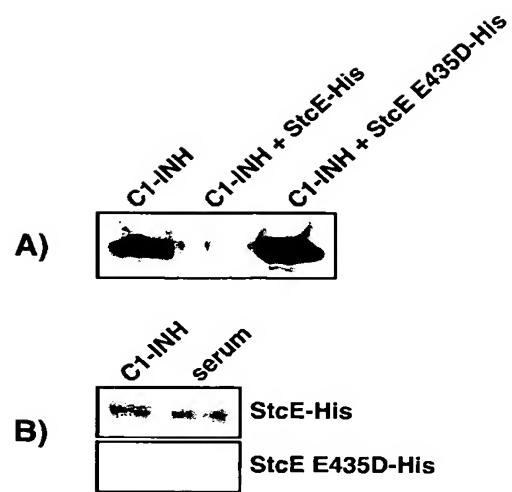
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**Detection of StcE in fecal filtrates from children with diarrhea.**

**FIG. 7**

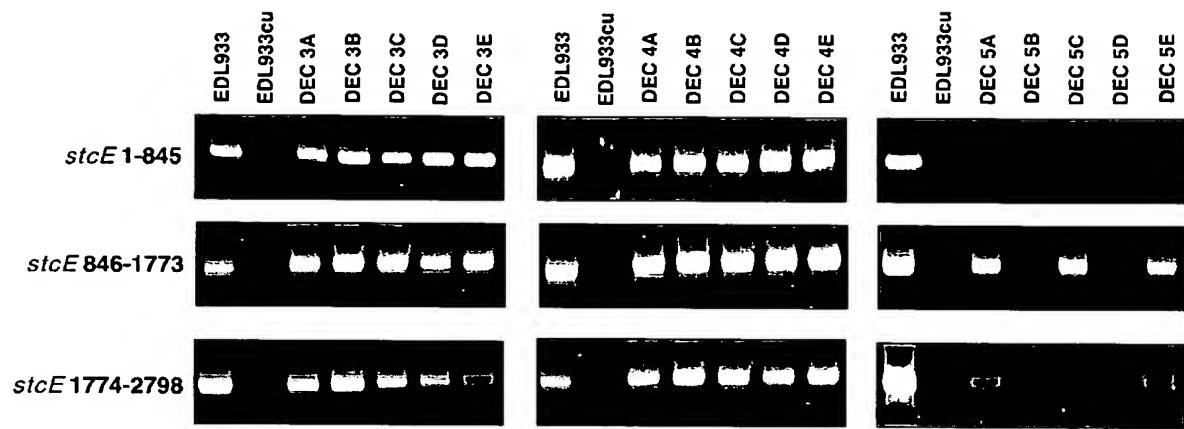
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**StcE E435D-His lacks proteolytic activity against and the ability to bind to C1-INH.**

**FIGS. 8A AND 8B**

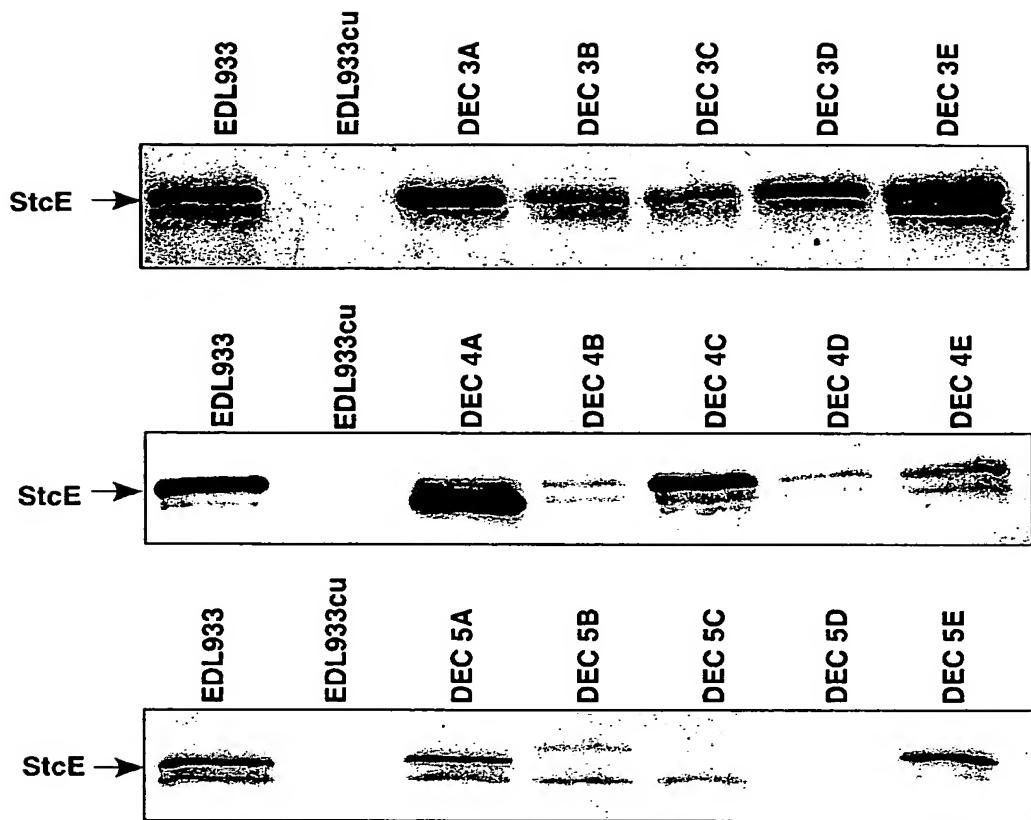
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**Figure 9. PCR analysis of *stcE* in the DEC collection.**

**FIG. 9**

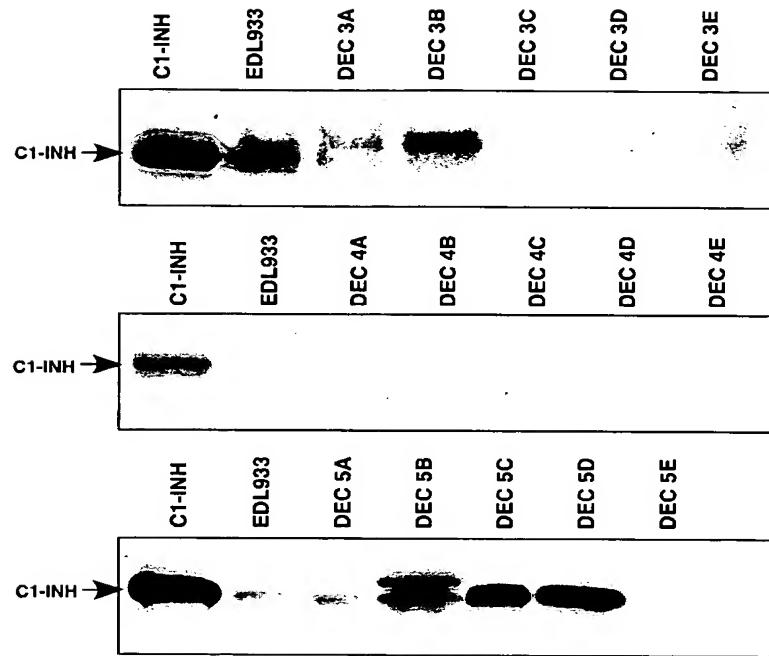
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**Detection of StcE in bacterial-conditioned culture supernatants.**

**FIG. 10**

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**Detection of C1-INH proteolytic activity in bacterial-conditioned culture supernatants.**

**FIG. 11**

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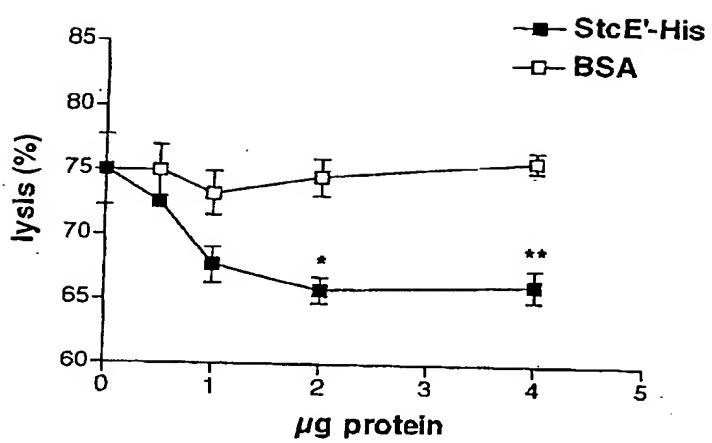
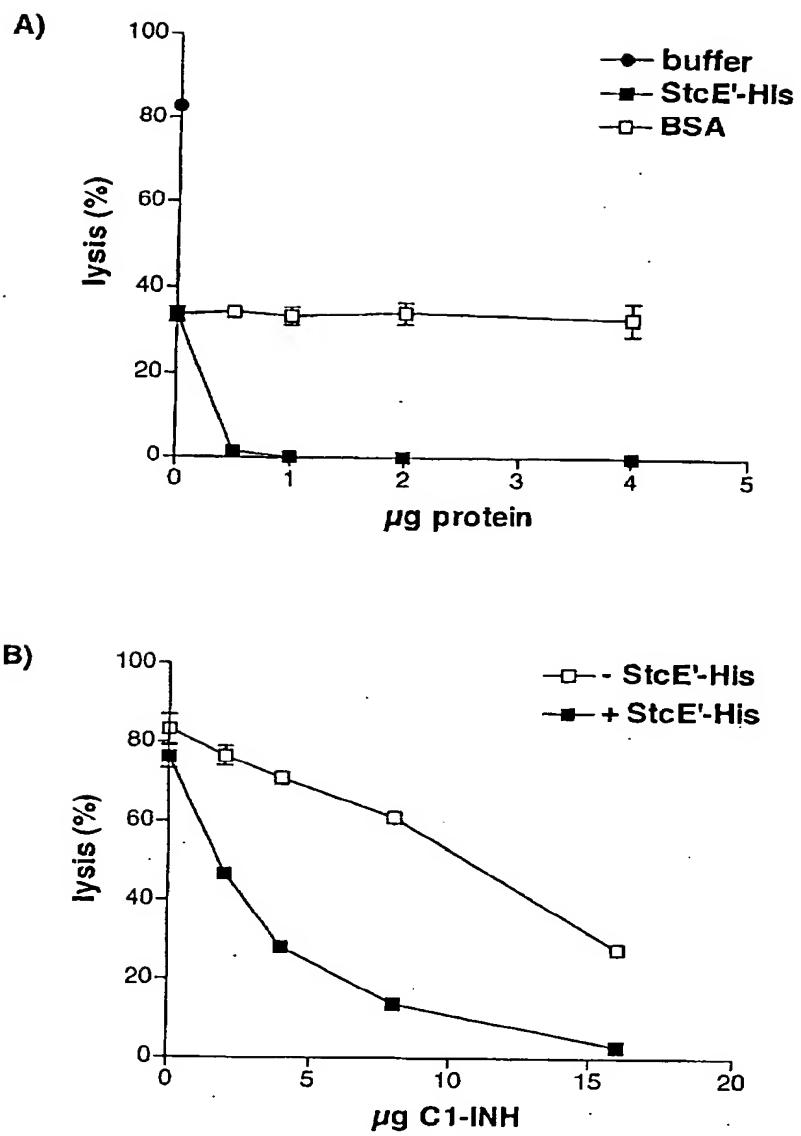


FIG. 12

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**FIG. 13**

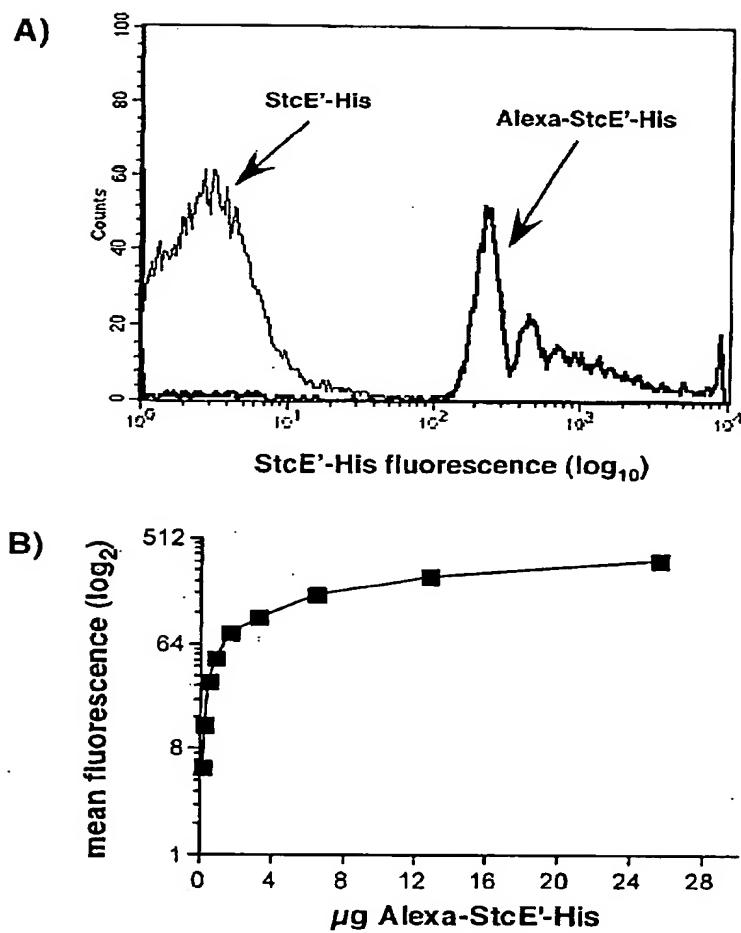
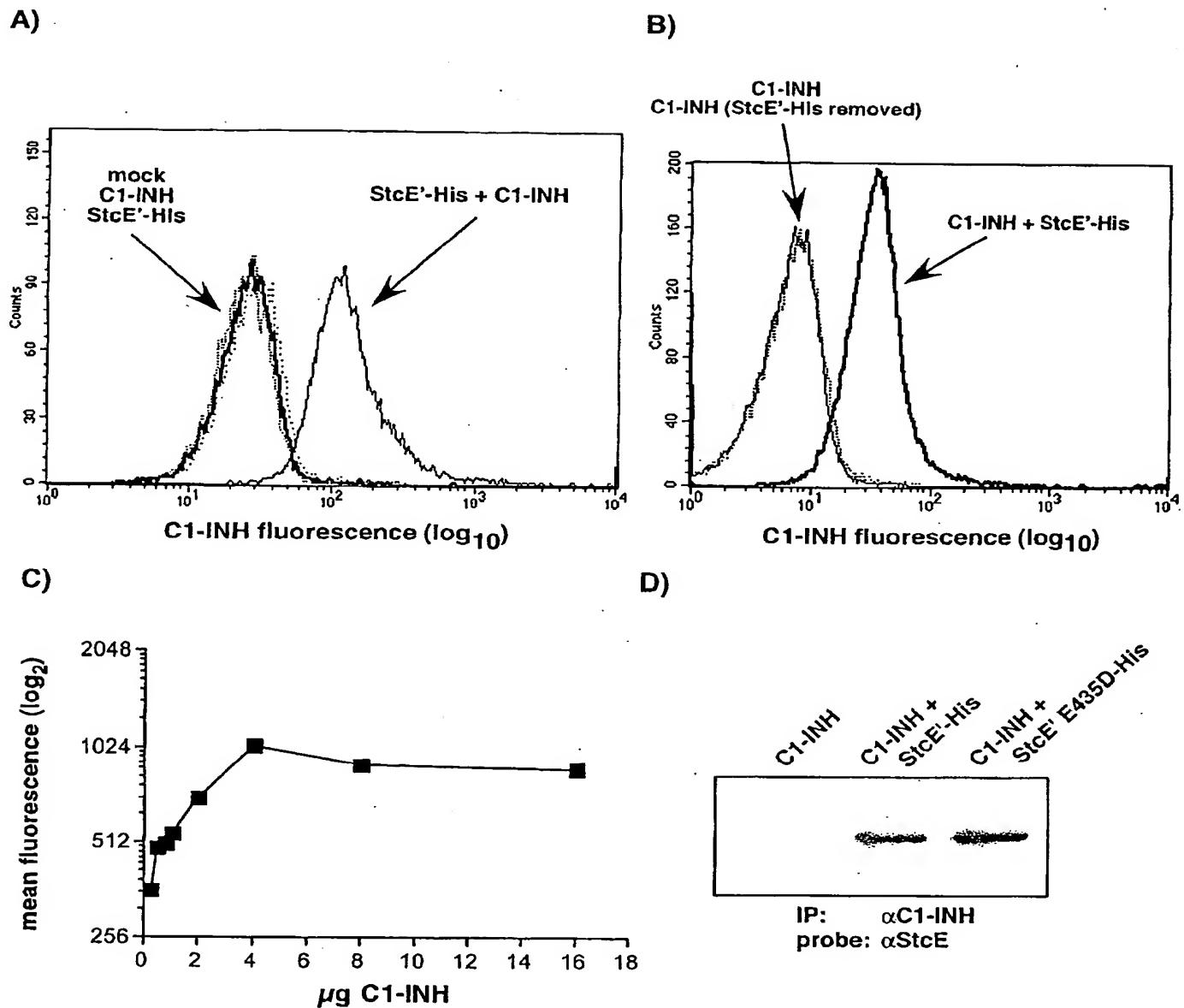


FIG. 14

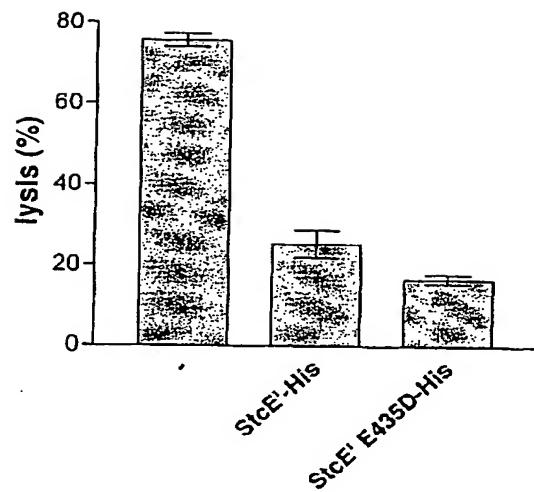
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**FIG. 15**

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A)



B)

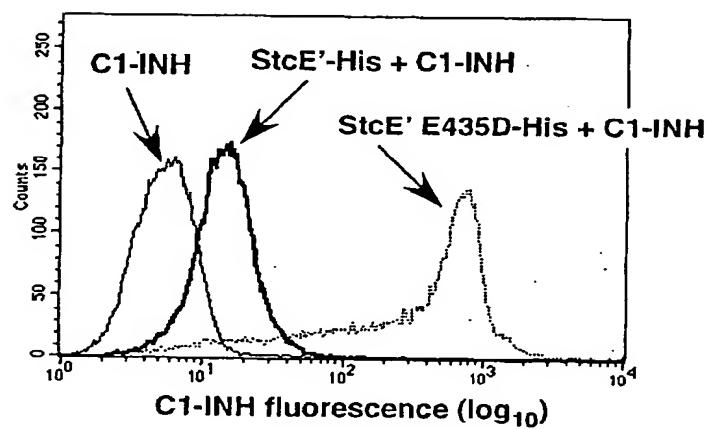
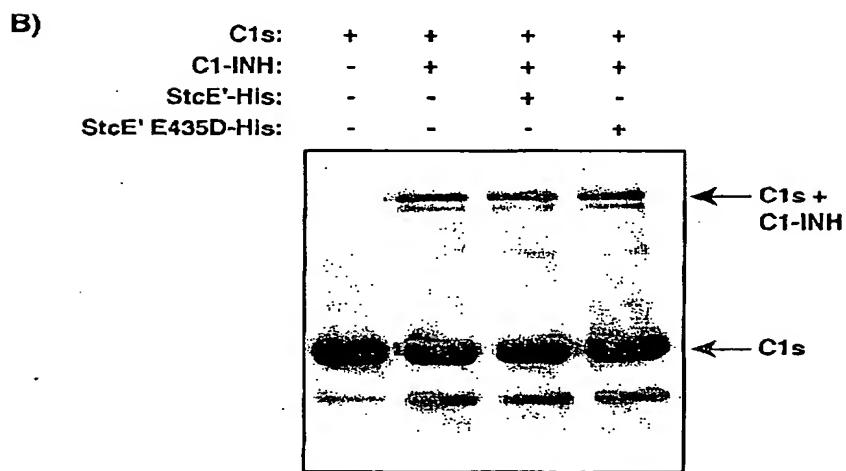
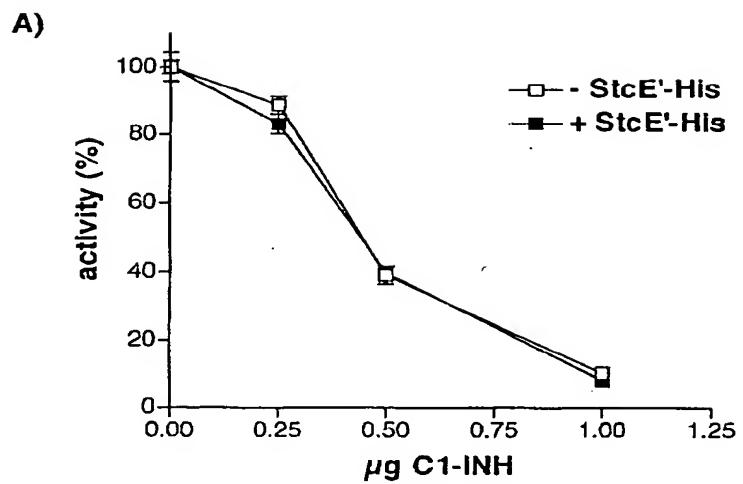


FIG. 16

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**FIG. 17**

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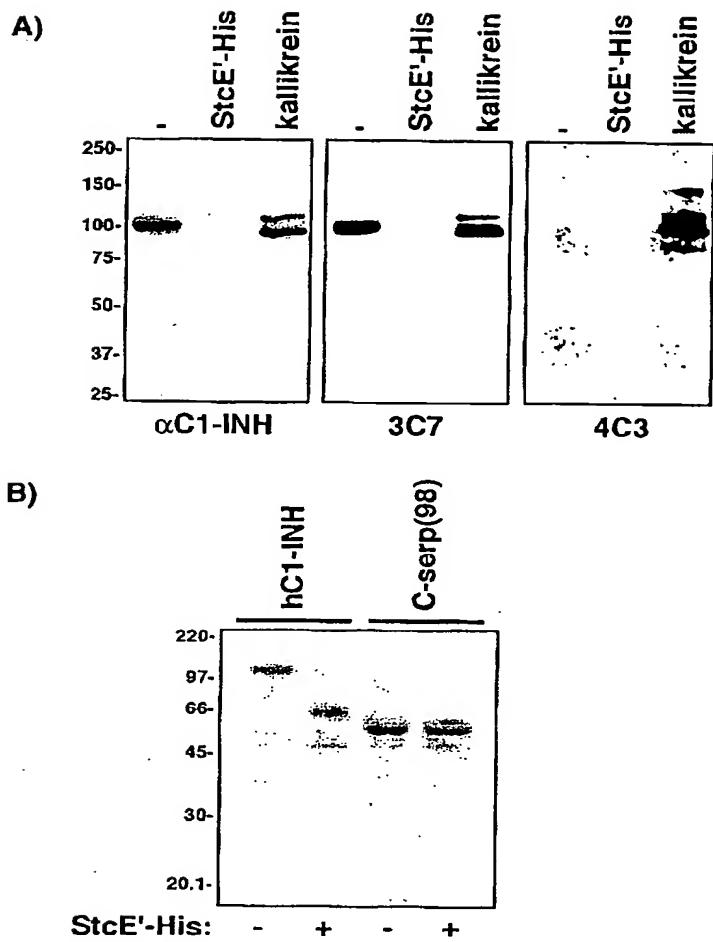
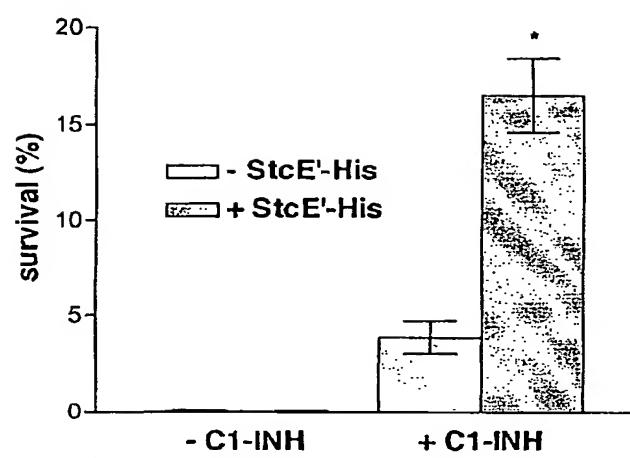
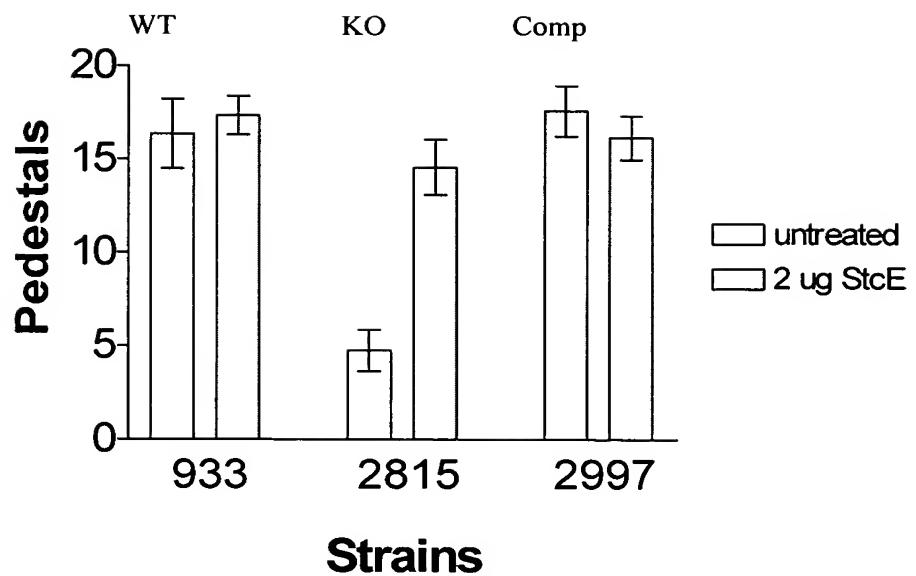


FIG. 18

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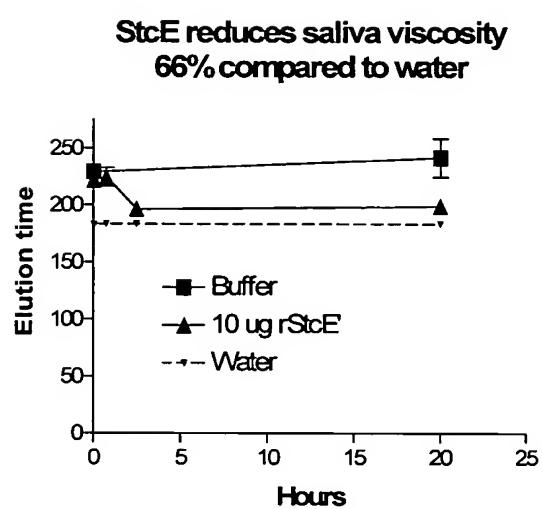


**FIG. 19**

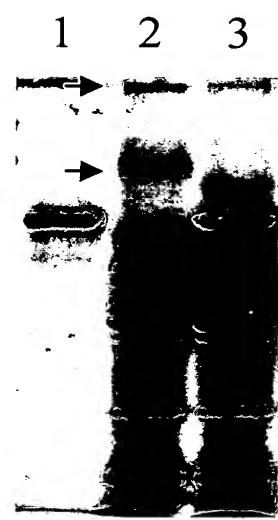


**FIG. 20**

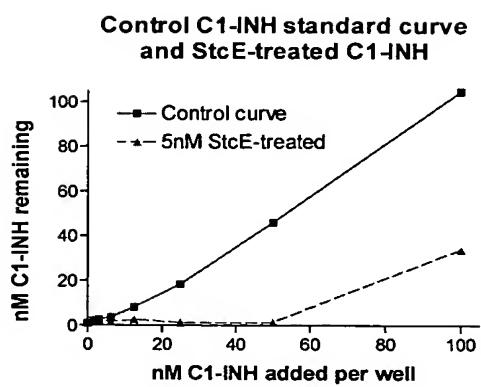
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**FIG. 21**



**FIG. 22**



**FIG. 23**